

Amendments to the Claims:

~~Claims 2-9, 14-21, 23-29, 31-38, 40-47, and 51-58~~ have been canceled without prejudice.
~~Claims 1, 10-13, 22, 30, 39, and 48-50~~ have been amended. ~~New claims 59-94~~ have been added.
This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 1. (Currently Amended) A computer-implemented method of facilitating
2 shopping for a project, purchasing items the method comprising:
3 ~~storing first mapping information for a first plurality of items, the first mapping~~
4 ~~information identifying a first plurality of purchasable units associated with items in the first~~
5 ~~plurality of items;~~
6 receiving a ~~purchase request comprising~~ information identifying related to a first
7 ~~project from a computer system; and~~
8 ~~determining a second plurality of items from the information related to the first~~
9 ~~project, the second plurality of items included in the first plurality of items;~~
10 determining a ~~second~~ plurality of purchasable units ~~corresponding to the second~~
11 ~~plurality of items based upon the first mapping information for the first project, each purchasable~~
12 unit in the plurality of purchasable units having a brand name, an amount, and a price associated
13 with the purchasable unit. ; and
14 ~~communicating information related to the second plurality of purchasable units to~~
15 ~~the computer system.~~

1 2. - 9. (Canceled)

1 10. (Currently Amended) The method of claim 1 further comprising
2 outputting the information related to the ~~second~~ plurality of purchasable units.

3 11. (Currently Amended) The method of claim 10 wherein outputting the
4 information related to the ~~second~~ plurality of purchasable units comprises:

5 displaying, for each purchasable unit in the plurality of purchasable units, the
6 brand name associated with the purchase unit, the amount of the purchase unit, and the price
7 associated with the purchase unit.

8 ~~generating a presentation list based upon information related to the second~~
9 ~~plurality of purchasable units; and~~

10 ~~displaying the presentation list.~~

1 12. (Currently Amended) The method of claim 1 further comprising
2 determining a set of purchasable units from the plurality of purchase units ~~11 wherein the~~
3 ~~presentation list is generated based upon user preferences.~~

all 1 13. (Currently Amended) The method of claim 1 wherein the first project is
2 ~~selectable from a group of projects including a food recipe for preparing a food dish, a project for~~
3 ~~building a computer, a project to repair a leaking faucet, and a project to build a house.~~

1 14. - 21. (Canceled)

2 22. (Currently Amended) A system for facilitating shopping for a project, the
3 system purchasing items comprising:

4 a first computer system; and

5 a second computer system coupled to the first computer system;

6 wherein the second computer system is configured to:

7 ~~store first mapping information for a first plurality of items, the first~~
8 ~~mapping information identifying a first plurality of purchasable units associated with items in the~~
9 ~~first plurality of items;~~

10 ~~receive a purchase request comprising information related to~~ identifying a
11 first project from the first computer system;

12 ~~determine a second plurality of items from the information related to the~~
13 ~~first project, the second plurality of items included in the first plurality of items;~~

1 determine a ~~second~~ plurality of purchasable units ~~corresponding to the~~
2 ~~second plurality of items based upon the first mapping information for the first project, each~~
3 ~~purchasable unit in the plurality of purchasable units having a brand name, an amount, and a~~
4 ~~price associated with the purchasable unit;~~ and

5 communicate information ~~related to~~ identifying the second plurality of
6 purchasable units to the first computer system.

1 23. - 29. (Canceled)

21 1 30. (Currently Amended) The system of claim 22 wherein the first computer
2 system is configured to output the information ~~related to~~ identifying the second plurality of
3 purchasable units received from the second computer system.

1 31. - 38. (Canceled)

1 39. (Currently Amended) A computer program product stored on a computer-
2 readable storage medium for facilitating shopping for a project, purchasing items, the computer
3 program product comprising:

4 ~~code for storing first mapping information for a first plurality of items, the first~~
5 ~~mapping information identifying a first plurality of purchasable units associated with items in the~~
6 ~~first plurality of items;~~

7 code for receiving ~~a purchase request comprising~~ information identifying related
8 ~~to a first project from a computer system;~~ and

9 ~~code for determining a second plurality of items from the information related to~~
10 ~~the first project, the second plurality of items included in the first plurality of items;~~

11 code for determining a ~~second~~ plurality of purchasable units for the first project,
12 each purchasable unit in the plurality of purchasable units having a brand name, an amount, and
13 a price associated with the purchasable unit. ~~corresponding to the second plurality of items based~~
14 ~~upon the first mapping information; and~~

15 ~~code for communicating outputting information related to the second plurality of~~
16 ~~purchasable units to the computer system.~~

1 40. - 47. (Canceled)

1 48. (Currently Amended) The computer program product of claim 39 further
2 comprising code for outputting the information related to the ~~second~~ plurality of purchasable
3 units.

1 49. (Currently Amended) The computer program product of claim 48 wherein
2 the code for outputting the information related to the ~~second~~ plurality of purchasable units
3 comprises:

4 code for displaying, for each purchasable unit in the plurality of purchasable units,
5 the brand name associated with the purchase unit, the amount of the purchase unit, and the price
6 associated with the purchase unit.

7 ~~code for generating a presentation list based upon information related to the~~
8 ~~second plurality of purchasable units; and~~

9 ~~code for displaying the presentation list.~~

1 50. (Currently Amended) The computer program product of claim 39 further
2 comprising code for determining a set of purchasable units from the plurality of purchase units
3 49 wherein the presentation list is generated based upon user preferences.

1 51. - 58. (Canceled)

1 59. (New) The method of claim 1 further comprising:
2 storing projects-to-items information identifying a plurality of project identifiers
3 and one or more item identifiers associated with each project identifier in the plurality of project
4 identifiers; and

5 storing items-to-purchasable units information identifying a plurality of item
6 identifiers and one or more purchasable units associated with each item identifier in the plurality
7 of item identifiers;

8 wherein the information identifying the first project comprises a first project
9 identifier corresponding to the first project; and

10 wherein determining the plurality of purchasable units for the first project
11 comprises:

12 determining a set of item identifiers for the first project identifier based
13 upon the projects-to-items information; and

14 determining a set of purchasable units for each item identifier in the set of
15 item identifiers based upon the items-to-purchasable units information.

1 60. (New) The method of claim 1 further comprising:

2 providing a web page identifying the first project, the web page comprising a
3 mechanism for selecting the project; and

4 wherein receiving the information identifying the first project comprises receiving
5 information indicating selection of the first project.

1 61. (New) The method of claim 1 further comprising:

2 storing items-to-purchasable units information identifying a plurality of generic
3 items and one or more purchasable units associated with each generic item in the plurality of
4 generic items; and

5 wherein determining the plurality of purchasable units for the first project
6 comprises:

7 processing the information identifying the first project to extract a set of
8 ingredients for the first project;

9 determining a set of generic items corresponding to the set of ingredients;

10 and

11 determining a set of purchasable units for each generic item in the set of
12 generic items based upon the items-to-purchasable units information.

1 62. (New) The method of claim 1 wherein:
2 the information identifying the first project comprises scaling information for the
3 first project; and
4 determining the plurality of purchasable units for the first project comprises:
5 determining, from the information identifying the first project, a set of
6 ingredients for the first project and quantities associated with the set of ingredients; and
7 scaling the quantities associated with the set of ingredients using the
8 scaling information; and
9 determining the plurality of purchasable units for the first project based
10 upon the scaled quantities associated with the set of ingredients.

1 63. (New) The method of claim 62 wherein the plurality of purchase units for
2 the first project includes a set of purchase units determined for a first ingredient in the set of
3 ingredients, the set of purchase units for the first ingredient determined based upon the scaled
4 quantity associated with the first ingredient and available purchase units and their associated
5 amounts.

1 64. (New) The method of claim 62 further comprising:
2 storing scaling rules information indicating one or more constraints on scaling of
3 ingredients for a project; and
4 wherein scaling the quantities associated with the set of ingredients comprises
5 performing the scaling using the scaling rules information.

1 65. (New) The method of claim 62 further comprising:
2 storing scaling rules information indicating one or more constraints on scaling of
3 a project; and
4 wherein scaling the quantities associated with the set of ingredients comprises
5 performing the scaling using the scaling rules information.

1 66. (New) The method of claim 1 wherein determining the plurality of
2 purchasable units for the first project comprises determining a set of generic items for the first
3 project.

1 67. (New) The method of claim 66 wherein:
2 the set of generic items comprises a first generic item; and
3 determining the plurality of purchasable units for the first project comprises:
4 determining a plurality of purchasable units corresponding to the first
5 generic item, the plurality of purchasable units corresponding to the first generic item provided
6 by a plurality of vendors;
7 determining a set of one or more vendors from the plurality of vendors,
8 wherein the plurality of vendors includes at least one vendor that is not included in the set of one
9 or more vendors; and
10 including in the plurality of purchasable units for the first project, for the
11 first generic item, only those one or more purchasable units provided by the set of vendors.

1 68. (New) The method of claim 66 wherein:
2 the set of generic items comprises a first generic item; and
3 determining the plurality of purchasable units for the first project comprises:
4 determining a set of one or more vendors to which the first generic item is
5 assigned; and
6 determining a set of purchasable units corresponding to the first generic
7 item, the set of purchasable units consisting of one or more purchasable units provided by the set
8 of one or more vendors.

1 69. (New) The method of claim 66 further comprising:
2 storing an information model comprising information for a first plurality of
3 generic items, the information model specifying attributes of the first plurality of generic items,

4 substitute generic items for one or more generic items in the first plurality of generic items, and
5 hierarchical relationships between the items in the first plurality of generic items; and
6 wherein determining the set of generic items for the first project comprises using
7 the information model to determine the set of generic items.

1 70. (New) The method of claim 1 wherein determining the plurality of
2 purchasable units for the first project comprises:
3 processing the information identifying the first project to extract a set of
4 ingredients for the first project and amounts associated with the set of ingredients, the set of
5 ingredients comprising a first ingredient having an associated first amount; and
6 determining a set of purchasable units for the set of ingredients, the set of
7 purchasable units comprising a first purchasable unit corresponding to the first ingredient, the
8 first purchasable unit having an amount greater than the first amount.

1 71. (New) The system of claim 22 wherein:
2 the information identifying the first project received by the second computer
3 system comprises a first project identifier corresponding to the first project; and
4 the second computer is configured to:
5 store projects-to-items information identifying a plurality of project
6 identifiers and one or more item identifiers associated with each project identifier in the plurality
7 of project identifiers;
8 store items-to-purchasable units information identifying a plurality of item
9 identifiers and one or more purchasable units associated with each item identifier in the plurality
10 of item identifiers;
11 determine a set of item identifiers for the first project identifier based upon
12 the projects-to-items information; and
13 determine a set of purchasable units for each item identifier in the set of
14 item identifiers based upon the items-to-purchasable units information.

1 72. (New) The system of claim 22 wherein the first computer system is
2 configured to:
3 provide a web page identifying the first project, the web page comprising a
4 mechanism for selecting the project;
5 receiving information indicating selection of the first project; and
6 communicate the information identifying the first project to the second computer
7 system.

212 1 73. (New) The system of claim 22 wherein the second computer system is
2 configured to:
3 store items-to-purchasable units information identifying a plurality of generic
4 items and one or more purchasable units associated with each generic item in the plurality of
5 generic items;
6 process the information identifying the first project to extract a set of ingredients
7 for the first project;
8 determine a set of generic items corresponding to the set of ingredients; and
9 determine a set of purchasable units for each generic item in the set of generic
10 items based upon the items-to-purchasable units information.

1 74. (New) The system of claim 22 wherein:
2 the information identifying the first project received by the comprises scaling
3 information for the first project; and
4 the second computer system is configured to:
5 determine, from the information identifying the first project, a set of
6 ingredients for the first project and quantities associated with the set of ingredients; and
7 scale the quantities associated with the set of ingredients using the scaling
8 information; and
9 determine the plurality of purchasable units for the first project based upon
10 the scaled quantities associated with the set of ingredients.

1 75. (New) The system of claim 74 wherein the plurality of purchase units for
2 the first project includes a set of purchase units determined for a first ingredient in the set of
3 ingredients, the set of purchase units for the first ingredient determined based upon the scaled
4 quantity associated with the first ingredient and available purchase units and their associated
5 amounts.

1 76. (New) The system of claim 74 wherein the second computer system is
2 configured to:
3 store scaling rules information indicating one or more constraints on scaling of
4 ingredients for a project; and
5 scale the quantities associated with the set of ingredients using the scaling rules
6 information.

1 77. (New) The system of claim 74 wherein the second computer is configured
2 to:
3 store scaling rules information specifying one or more constraints on scaling of a
4 project; and
5 scale the quantities associated with the set of ingredients using the scaling rules
6 information.

1 78. (New) The system of claim 22 wherein the second computer system is
2 configured to determine a set of generic items for the first project.

1 79. (New) The system of claim 78 wherein:
2 the set of generic items comprises a first generic item; and
3 the second computer system is configured to:
4 determine a plurality of purchasable units corresponding to the first
5 generic item, the plurality of purchasable units corresponding to the first generic item provided
6 by a plurality of vendors;

7 determine a set of one or more vendors from the plurality of vendors,
8 wherein the plurality of vendors includes at least one vendor that is not included in the set of one
9 or more vendors; and
10 include in the plurality of purchasable units for the first project, for the
11 first generic item, only those one or more purchasable units provided by the set of vendors.

1 80. (New) The system of claim 78 wherein:
2 the set of generic items comprises a first generic item; and
3 the second computer system is configured to:
4 determine a set of one or more vendors to which the first generic item is
5 assigned; and
6 determine a set of purchasable units corresponding to the first generic
7 item, the set of purchasable units consisting of one or more purchasable units provided by the set
8 of one or more vendors.

1 81. (New) The system of claim 78 wherein the second computer system is
2 configured to:
3 store an information model comprising information for a first plurality of generic
4 items, the information model specifying attributes of the first plurality of generic items,
5 substitute generic items for one or more generic items in the first plurality of generic items, and
6 hierarchical relationships between the items in the first plurality of generic items; and
7 use the information model to determine the set of generic items.

1 82. (New) The system of claim 22 wherein the second computer system is
2 configured to:
3 process the information identifying the first project to extract a set of ingredients
4 for the first project and amounts associated with the set of ingredients, the set of ingredients
5 comprising a first ingredient having an associated first amount; and

6 determine a set of purchasable units for the set of ingredients, the set of
7 purchasable units comprising a first purchasable unit corresponding to the first ingredient, the
8 first purchasable unit having an amount greater than the first amount.

1 83. (New) The computer program product of claim 39 further comprising:
2 code for storing projects-to-items information identifying a plurality of project
3 identifiers and one or more item identifiers associated with each project identifier in the plurality
4 of project identifiers; and

5 code for storing items-to-purchasable units information identifying a plurality of
6 item identifiers and one or more purchasable units associated with each item identifier in the
7 plurality of item identifiers;

8 wherein the information identifying the first project comprises a first project
9 identifier corresponding to the first project; and

10 wherein the code for determining the plurality of purchasable units for the first
11 project comprises:

12 code for determining a set of item identifiers for the first project identifier
13 based upon the projects-to-items information; and

14 code for determining a set of purchasable units for each item identifier in
15 the set of item identifiers based upon the items-to-purchasable units information.

1 84. (New) The computer program product of claim 39 further comprising:
2 code for providing a web page identifying the first project, the web page
3 comprising a mechanism for selecting the project; and

4 wherein the code for receiving the information identifying the first project
5 comprises code for receiving information indicating selection of the first project.

1 85. (New) The computer program product of claim 39 further comprising:
2 code for storing items-to-purchasable units information identifying a plurality of
3 generic items and one or more purchasable units associated with each generic item in the
4 plurality of generic items; and

5 wherein the code for determining the plurality of purchasable units for the first
6 project comprises:
7 code for processing the information identifying the first project to extract a
8 set of ingredients for the first project;
9 code for determining a set of generic items corresponding to the set of
10 ingredients; and
11 code for determining a set of purchasable units for each generic item in the
12 set of generic items based upon the items-to-purchasable units information.

218
1 86. (New) The computer program product of claim 39 wherein:
2 the information identifying the first project comprises scaling information for the
3 first project; and
4 the code for determining the plurality of purchasable units for the first project
5 comprises:
6 code for determining, from the information identifying the first project, a
7 set of ingredients for the first project and quantities associated with the set of ingredients; and
8 code for scaling the quantities associated with the set of ingredients using
9 the scaling information; and
10 code for determining the plurality of purchasable units for the first project
11 based upon the scaled quantities associated with the set of ingredients.

1 87. (New) The computer program product of claim 86 wherein the plurality of
2 purchase units for the first project includes a set of purchase units determined for a first
3 ingredient in the set of ingredients, the set of purchase units for the first ingredient determined
4 based upon the scaled quantity associated with the first ingredient and available purchase units
5 and their associated amounts.

1 88. (New) The computer program product of claim 86 wherein the code for
2 scaling the quantities associated with the set of ingredients comprises code for performing the

3 scaling using scaling rules information specifying one or more constraints on scaling of
4 ingredients for a project.

1 89. (New) The computer program product of claim 86 wherein the code for
2 scaling the quantities associated with the set of ingredients comprises code for performing the
3 scaling using scaling rules information specifying one or more constraints on scaling of a project.

1 90. (New) The computer program product of claim 39 wherein the code for
2 determining the plurality of purchasable units for the first project comprises code for determining
3 a set of generic items for the first project.

212
1 91. (New) The computer program product of claim 90 wherein:
2 the set of generic items comprises a first generic item; and
3 the code for determining the plurality of purchasable units for the first project
4 comprises:

5 code for determining a plurality of purchasable units corresponding to the
6 first generic item, the plurality of purchasable units corresponding to the first generic item
7 provided by a plurality of vendors;

8 code for determining a set of one or more vendors from the plurality of
9 vendors, wherein the plurality of vendors includes at least one vendor that is not included in the
10 set of one or more vendors; and

11 code for including in the plurality of purchasable units for the first project,
12 for the first generic item, only those one or more purchasable units provided by the set of
13 vendors.

1 92. (New) The computer program product of claim 90 wherein:
2 the set of generic items comprises a first generic item; and
3 the code for determining the plurality of purchasable units for the first project
4 comprises:

5 code for determining a set of one or more vendors to which the first
6 generic item is assigned; and

7 code for determining a set of purchasable units corresponding to the first
8 generic item, the set of purchasable units consisting of one or more purchasable units provided
9 by the set of one or more vendors.

212 1 93. (New) The computer program product of claim 90 further comprising:
2 code for storing an information model comprising information for a first plurality
3 of generic items, the information model specifying attributes of the first plurality of generic
4 items, substitute generic items for one or more generic items in the first plurality of generic
5 items, and hierarchical relationships between the items in the first plurality of generic items; and
6 wherein the code for determining the set of generic items for the first project
7 comprises code for using the information model to determine the set of generic items.

1 94. (New) The computer program product of claim 39 wherein the code for
2 determining the plurality of purchasable units for the first project comprises:
3 code for processing the information identifying the first project to extract a set of
4 ingredients for the first project and amounts associated with the set of ingredients, the set of
5 ingredients comprising a first ingredient having an associated first amount; and
6 code for determining a set of purchasable units for the set of ingredients, the set of
7 purchasable units comprising a first purchasable unit corresponding to the first ingredient, the
8 first purchasable unit having an amount greater than the first amount.
